

PATENT ABSTRACTS OF JAPAN

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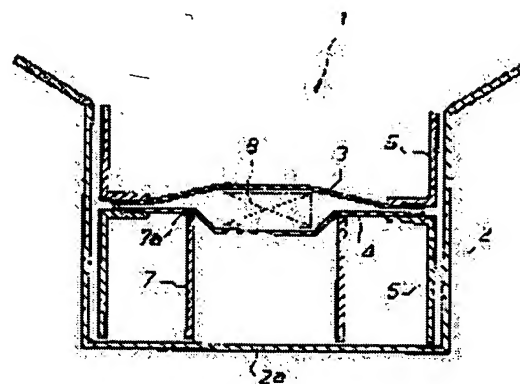
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(54) FILM TYPE HOLDING MEMBER AND FILM TYPE HOLDING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a film type holding member and a film type holding method, capable of easily and stably holding an object article in accordance therewith.

SOLUTION: The film type holding member 1 consists of two film frames 5 and 6 over which holding films 3 and 4 that generate a holding force due to the flexible deformation of a thin film and the tension thereof are respectively spread. The holding member 1 is formed so that an object article is held in a cushioned manner between both the holding films 3 and 4. Tension pads 7 are provided which abut against a face of the film 4 for one of the two film frames 5 and 6 and which restrict deflection of the film when the object article 8 is held.



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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] This invention relates to the film type attachment component and the film type maintenance method of carrying out stable maintenance simply especially according to the magnitude of a specified substance article about the film type attachment component and the film type maintenance method of carrying out buffer maintenance packing with two film frames which stretched and passed the maintenance film to the window part.

[0002]

[Description of the Prior Art] The conventional film type attachment component consists of two film frames which stretched and passed the maintenance film which generates holding power to the window part with flexible deformation of a thin film and its tension, puts a specified substance article between both the film, and carries out buffer maintenance.

[0003]

[Problem(s) to be Solved by the Invention] however, for the stable maintenance by the above-mentioned film type attachment component Since it is necessary to choose appropriately the size of a film frame, film thickness, the flare condition of a film, etc. according to the magnitude of the specified substance article which should be held, a configuration, etc. Various kinds of film frames needed to be prepared in advance, and on the other hand, to the specified substance article, when a film frame was nonconformance, the problem of causing a location gap of a specified substance article, an oscillation, omission, failure of a film, etc. was connoted.

[0004] The object of this invention is to offer the film type attachment component and the film type maintenance method of carrying out stable maintenance simply according to a specified substance article.

[0005]

[Means for Solving the Problem] It consists of two film frames which stretched and passed a maintenance film which generates holding power with flexible deformation of a thin film and its tension in order to solve the above-mentioned technical problem, and the tension pad which regulates bending of a film at the time of holding a specified-substance article prepares by contacting one film plane of the two above-mentioned film frames in the film type attachment component for carrying out buffer maintenance of the specified-substance article by **** between both the maintenance film.

[0006] Since tension of a maintenance film increases while a maintenance film is fixed by edge of a tension pad which contacted a film plane by holding a specified substance article with two film frames, receiving a film plane at the edge of a tension pad, a film type attachment component of the above-mentioned configuration is strong, and is stabilized and can hold a specified substance article.

[0007] Since said tension pad can obtain easily various kinds of height and a tension pad of magnitude by forming by tubed part material which has a opening edge which contacts a film plane, it can respond easily according to a condition. Since, as for said tension pad, a rim-of-duct-mouths-like member borders a specified substance article by having a rim-of-duct-mouths-like member which can support a film plane, the ornament effect as a background of a held specified substance article is added. When said tension pad is equipped with a lobe of the shape of a pillar which can support a film plane, a film plane is supported by this lobe in the shape of dispersion. Therefore, effect of an exterior can be suppressed and a specified substance article can be backed up.

[0008]

[Embodiment of the Invention] It explains referring to a drawing below about the gestalt of implementation of the above-mentioned invention. The cross section and drawing 2 which show the packing condition according [drawing 1] to the film type attachment component of this invention are the decomposition perspective diagram of the film type

attachment component of drawing 1 . The film type attachment component 1 makes the film frames 5 and 6 of the two shape of a sash which stretched and passed the maintenance films 3 and 4 by the elastic thin film to the predetermined height location counter, and arranges and constitutes the tension pad 7 which regulates the bending in contact with the maintenance film 4 of the bottom. When it constitutes in the tank 2 for packing, two film frames 5 and 6 are formed in the magnitude inscribed in a tank 2, and the above-mentioned tension pad 7 is arranged to the space between pars-basilaris-ossis-occipitalis 2a of a tank 2.

[0009] The above-mentioned tension pad 7 has a opening crevice corresponding to the magnitude of the specified substance article 8, and a configuration, and forms it with the tubed part material which can secure predetermined height, a box, etc. so that the maintenance film 4 may be contacted in edge 7a in the specified substance article 8 and the location in which it does not interfere within the sash of the film frame 6. The procedure which carries out buffer packing of the specified substance article 8 using the above-mentioned film type attachment component 1 arranges square shape tubed the tension pad 7 and the film frame 6 in a tank 2, and attaches the specified substance article 8 and the upper film frame 5 on the maintenance film 4 according to the opening location of the tension pad 7.

[0010] Since the film type attachment component 1 of the above-mentioned configuration was equipped with the tension pad 7 which receives the film plane of the lower maintenance film 4, it can fix the lower maintenance film 4 near the specified substance article 8 inserted among both the maintenance films 3 and 4, and can carry out stable maintenance of the specified substance article 8 according to an increment and bracing operation of the tension. Moreover, since the above-mentioned tension pad 7 can specify the location which receives the maintenance film 4 according to the height size, it can project more nearly up than the maintenance film 4, or can retreat and hold the specified substance article 8. Therefore, diversification of the package appearance according to the maintenance location of the specified substance article 8 is attained with the tension accommodation which reaches a large range.

[0011] Drawing 3 is the perspective diagram showing the example which constituted the tension pad of the film type attachment component of drawing 1 by body material. The tension pad 11 is formed by circular tubed part material equipped with edge 11a for receiving a film plane. It can form in the height size H of arbitration by using the easy cardboard tube material of processing etc. Therefore, according to the combination of a specified substance article and a maintenance film, support adjustment can be simply carried out with the easy tension pad of acquisition. Moreover, according to the height size H, it can adjust simply similarly about package appearance.

[0012] Drawing 4 is the perspective diagram showing the example equipped with the rim-of-duct-mouths section in the tension pad of the film type attachment component of drawing 1 . The tension pad 12 forms the rim-of-duct-mouths section 13 for an ornament in an upper bed, and prepares and constitutes ramps 14 and 15 in the inner circumference side if needed. By combining with a transparent maintenance film, the rim-of-duct-mouths section 13 can play the role of the rim of duct mouths which borders a specified substance article, and can add fanciness with the flexibility on the design by the coloring pattern and the concavo-convex relief-like pattern. Moreover, ramps 14 and 15 enable a three-dimensional background ornament. Therefore, a specified substance article is appealable with the fanciness of this tension pad.

[0013] Drawing 5 is the perspective diagram showing the example equipped with the pillar-shaped member in the tension pad of the film type attachment component of drawing 1 . The tension pad 20 carries out screwing standing up of two or more pillar-shaped member 23 -- at the base 21 in which much screw-thread hole 22 -- was formed, and it constitutes them so that a maintenance film may be received by edge 23a by the side of the end. The pillar-shaped member 23 which stood up at the base 21 functions as a lobe of the shape of a pillar which supports a maintenance film in the shape of dispersion. Therefore, existence of the tension pad 20 is suppressed in an appearance side, and a specified substance article can be highlighted relatively. Moreover, the broad response of the pillar-shaped member 23 is attained by [of screw-thread hole 22 -- of arbitration] being able to carry out standing-up immobilization and preparing the thing of further various kinds of length for a location.

[0014] Drawing 6 is the cross section showing the example of a configuration of the rim of duct mouths by the film type attachment component of drawing 1 . The film type attachment component 31 constitutes the rim of duct mouths which consists of the film frame 34 of the shape of a sash which stretched the maintenance film 32 of a transparent outside, a film frame 35 with a base which stretched the inside maintenance film 33, and a tension pad 37 which receives the maintenance film 33 in a projection location, and equips the film frame 35 with the duplicate foot 36 for independence. The tension pad 37 forms a height size greatly so that the lateral maintenance film 32 may also be projected outside, while projecting and receiving the inside maintenance film 33 from the film frame 35.

[0015] The above-mentioned film type attachment component 31 can expand applicability even to display means, such as a rim of duct mouths, without stopping at mere buffer packing, since it can insert among both the maintenance films 32 and 33 and can stabilize and hold even if the specified substance articles 38 are thin plane members, such as a card, by choosing the magnitude of the tension pad 37, and height.

[0016] A film frame becomes possible [simplifying the configuration as mere frame part material for stretching a maintenance film] by the tension pad other than the fundamental example described above suiting maintenance of a heavy lift according to the effect of suppressing the support burden of the leg of a film frame, and releasing the support burden of a film frame according to the bearing power of a tension pad. Furthermore, if a tension pad is arranged on both sides of two maintenance films, respectively, each stability will be secured in both directions, in addition if two tension pads are arranged fixed, various package configurations will be attained from both film frames becoming possible [simplifying a configuration].

[0017]

[Effect of the Invention] The film type attachment component of this invention does the following effects so. Since the tension of a maintenance film is increased while a maintenance film is fixed by the edge of the tension pad which contacted when a specified substance article is inserted between both maintenance films since it had the tension pad which receives a film plane, the film type attachment component of the above-mentioned configuration is strong, and is stabilized and can hold a specified substance article.

[0018] Therefore, it can apply widely to the ornament display object about the article of the broad class which attains to the object of the shape of a thin card, without asking the configuration of a specified substance article, and magnitude, without stopping at mere buffer packing.

[Translation done.]

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CLAIMS

[Claim(s)]

[Claim 1] In a film type attachment component for consisting of two film frames which stretched and passed a maintenance film which generates holding power with flexible deformation of a thin film and its tension, and carrying out buffer maintenance of the specified substance article by **** between both the maintenance film A film type attachment component characterized by coming to prepare a tension pad which regulates bending of a film at the time of holding a specified substance article by contacting one film plane of the two above-mentioned film frames in an edge.

[Claim 2] Said tension pad is a film type attachment component according to claim 1 characterized by coming to form by tubed part material which has a opening edge which contacts a film plane.

[Claim 3] Said tension pad is a film type attachment component according to claim 1 characterized by having a rim-of-duct-mouths-like member which can support a film plane.

[Claim 4] Said tension pad is a film type attachment component according to claim 1 characterized by having a lobe of the shape of a pillar which can support a film plane.

[Claim 5] A film type maintenance method which consists of a process which holds a specified substance article with two film frames with a tension pad of a film type attachment component according to claim 1, receiving a film plane at the edge.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] The cross section showing the packing condition by the film type attachment component of this invention

[Drawing 2] The decomposition perspective diagram of the film type attachment component of drawing 1

[Drawing 3] The perspective diagram showing the example which constituted the tension pad of the film type attachment component of drawing 1 by body material

[Drawing 4] The perspective diagram showing the example equipped with the rim-of-duct-mouths section in the tension pad of the film type attachment component of drawing 1

[Drawing 5] The perspective diagram showing the example equipped with the pillar-shaped member in the tension pad of the film type attachment component of drawing 1

[Drawing 6] The cross section showing the example of a configuration of the rim of duct mouths by the film type attachment component of drawing 1

[Description of Notations]

1 Film Type Attachment Component

3 Four Maintenance film

5 Six Film frame

7 Tension Pad

7a Edge

2 Tank

2a Pars basilaris ossis occipitalis

8 Specified Substance Article

11 Tension Pad (Tubed Part Material)

11a Edge

H Height size

12 Tension Pad (Rim-of-Duct-Mouths-like Member)

13 Rim-of-Duct-Mouths Section (Edge)

20 Tension Pad

22 Screw-Thread Hole

21 Base

23 Pillar-shaped Member (Lobe)

23a Edge

31 Film Type Attachment Component

32 33 Maintenance film

34 35 Film frame

37 Tension Pad

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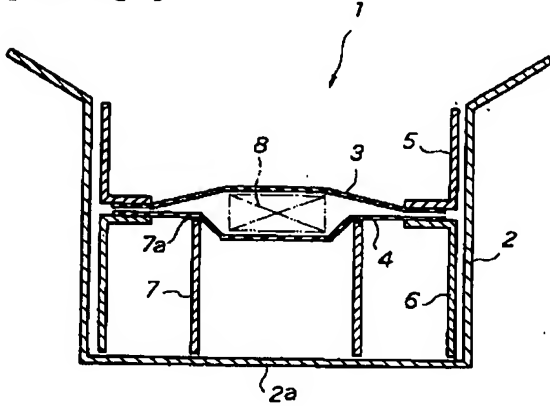
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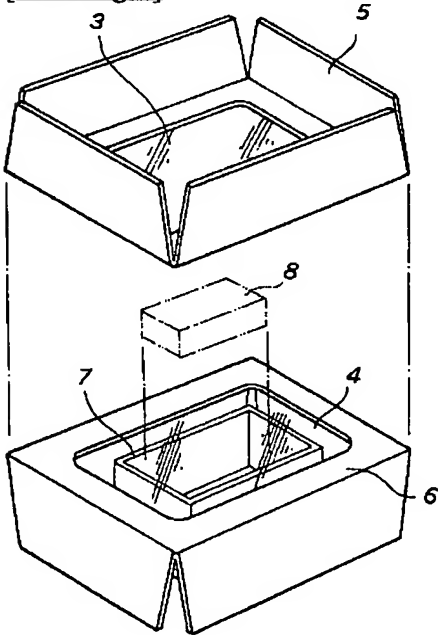
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DRAWINGS

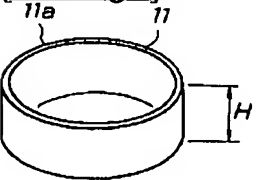
[Drawing 1]



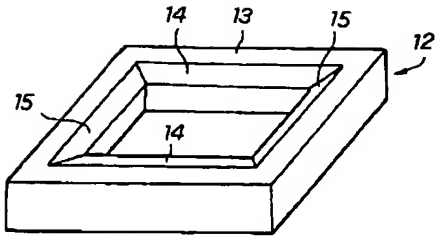
[Drawing 2]



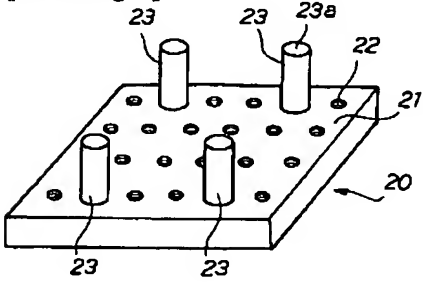
[Drawing 3]



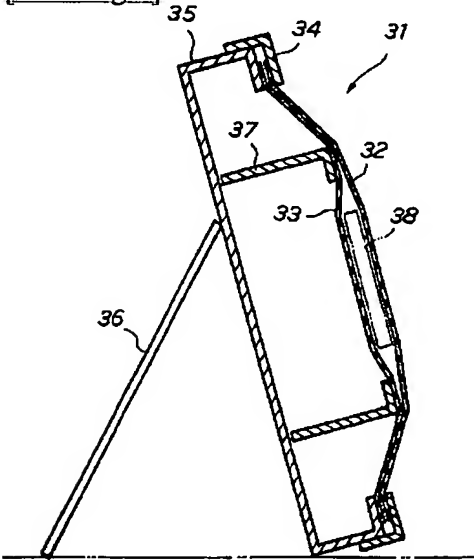
[Drawing 4]



[Drawing 5]



[Drawing 6]



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